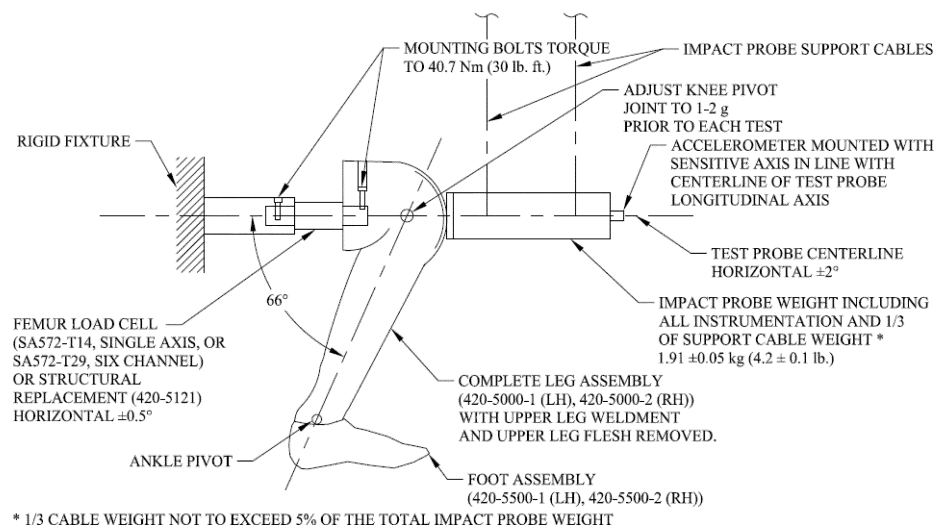


FIGURE T6
KNEE IMPACT TEST SET-UP SPECIFICATIONS



Subpart U, ES-2re Side Impact Crash Test Dummy, 50th Percentile Adult Male

SOURCE: 71 FR 75331, Dec. 14, 2006, unless otherwise noted.

§ 572.180 Incorporated materials.

(a) The following materials are hereby incorporated into this Subpart by reference:

(1) A parts/drawing list entitled, "Parts/Drawings List, Part 572 Subpart U, Eurosid 2 with Rib Extensions (ES2re), September 2009," incorporated by reference in § 572.181.

(2) A drawings and inspection package entitled "Parts List and Drawings, Part 572 Subpart U, Eurosid 2 with Rib Extensions (ES-2re, Alpha Version), September 2009," consisting of:

(i) Drawing No. 175-0000, ES-2re Dummy Assembly, incorporated by reference, see §§ 572.181, 575.182, 572.184;

(ii) Drawing No. 175-1000, Head Assembly, incorporated by reference in §§ 572.181 and 572.182;

(iii) Drawing No. 175-2000, Neck Assembly Test/Cert, incorporated by reference in §§ 572.181 and 572.183;

(iv) Drawing No. 175-3000, Shoulder Assembly, incorporated by reference in §§ 572.181 and 572.184;

(v) Drawing No. 175-3500, Arm Assembly, Left, incorporated by reference in §§ 572.181 and 572.185;

(vi) Drawing No. 175-3800, Arm Assembly, Right, incorporated by reference in §§ 572.181, and 572.185;

(vii) Drawing No. 175-4000, Thorax Assembly with Rib Extensions, incorporated by reference in §§ 572.181 and 572.185;

(viii) Drawing No. 175-5000, Abdominal Assembly, incorporated by reference in §§ 572.181 and 572.186;

(ix) Drawing No. 175-5500, Lumbar Spine Assembly, incorporated by reference in §§ 572.181 and 572.187;

(x) Drawing No. 175-6000, Pelvis Assembly, incorporated by reference in §§ 572.181 and 572.188;

(xi) Drawing No. 175-7000-1, Leg Assembly—left incorporated by reference in § 572.181;

(xii) Drawing No. 175-7000-2, Leg Assembly—right incorporated by reference in § 572.181;

(xiii) Drawing No. 175-8000, Neoprene Body Suit, incorporated by reference in §§ 572.181 and 572.185; and,

(xiv) Drawing No. 175-9000, Headform Assembly, incorporated by reference in §§ 572.181, 572.183, 572.187;

(3) A procedures manual entitled "Procedures for Assembly, Disassembly and Inspection (PADI) of the EuroSID-2re 50th Percentile Adult Male Side Impact Crash Test Dummy, February 2008," incorporated by reference in §§ 572.180(a)(2), and 572.181(a);

(4) Society of Automotive Engineers (SAE) Recommended Practice J211, Rev. Mar 95 "Instrumentation for Impact Tests—Part 1—Electronic Instrumentation"; and,

(5) SAE J1733 of 1994-12 "Sign Convention for Vehicle Crash Testing."

(b) The Director of the Federal Register approved the materials incorporated by reference in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Copies of the materials may be inspected at the Department of Transportation, Docket Operations, Room W12-140, 1200 New Jersey Avenue, SE., Washington, DC 20590, telephone (202) 366-9826, and at the National Archives and Records Administration (NARA), and in electronic format through *Regulations.gov*. For information on the availability and inspection of this material at NARA, call 202-741-6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html. For information on the availability and inspection of this material at *Regulations.gov*, call 1-877-378-5457, or go to: <http://www.regulations.gov>.

(c) The incorporated materials are available as follows:

(1) The Parts/Drawings List, Part 572 Subpart U, Eurosid 2 with Rib Extensions (ES2re) referred to in paragraph (a)(1) of this section, the Parts List and Drawings, Part 572 Subpart U, Eurosid 2 with Rib Extensions (ES-2re, Alpha Version) referred to in paragraph (a)(2) of this section, and the PADI document referred to in paragraph (a)(3) of this section, are available in electronic format through *Regulations.gov* and in paper format from Leet-Melbrook, Division of New RT, 18810 Woodfield

Road, Gaithersburg, MD 20879, telephone (301) 670-0090.

(2) The SAE materials referred to in paragraphs (a)(4) and (a)(5) of this section are available from the Society of Automotive Engineers, Inc., 400 Commonwealth Drive, Warrendale, PA 15096, telephone 1-877-606-7323.

[71 FR 75331, Dec. 14, 2006, as amended at 73 FR 33920, June 16, 2008; 76 FR 31864, June 2, 2011]

§ 572.181 General description.

(a) The ES-2re Side Impact Crash Test Dummy, 50th Percentile Adult Male, is defined by:

(1) The drawings and specifications contained in the "Parts List and Drawings, Part 572 Subpart U, Eurosid 2 with Rib Extensions (ES-2re, Alpha Version), September 2009," (incorporated by reference, see § 572.180), which includes the technical drawings and specifications described in Drawing 175-0000, the titles of which are listed in Table A;

TABLE A

Component assembly	Drawing No.
Head Assembly	175-1000
Neck Assembly Test/Cert	175-2000
Neck Bracket Including Lifting Eyebolt	175-2500
Shoulder Assembly	175-3000
Arm Assembly-Left	175-3500
Arm Assembly-Right	175-3800
Thorax Assembly with Rib Extensions	175-4000
Abdominal Assembly	175-5000
Lumbar Spine Assembly	175-5500
Pelvis Assembly	175-6000
Leg Assembly, Left	175-7000-1
Leg Assembly, Right	175-7000-2
Neoprene Body Suit	175-8000

(2) "Parts/Drawings List, Part 572 Subpart U, Eurosid 2 with Rib Extensions (ES2re), September 2009," containing 9 pages, incorporated by reference, see § 572.180,

(3) A listing of available transducers-crash test sensors for the ES-2re Crash Test Dummy is shown in drawing 175-0000 sheet 4 of 6, dated February 2008, incorporated by reference, see § 572.180,

(4) Procedures for Assembly, Disassembly and Inspection (PADI) of the ES-2re Side Impact Crash Test Dummy, February 2008, incorporated by reference, see § 572.180,